

WEIMING ZHUANG

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Summary

Seasoned Fin-Tech strategist and technical leader with 15+ years of expertise in blockchain, AI, cloud, and regulatory technologies. Proven track record in driving digital transformation, vendor governance, and cross-border innovation at global institutions (HSBC, Dalian Commodity Exchange, Ant Financial). Holder of 13 patents, PMP® certified, and bilingual (English/Chinese) communicator. Recognized with **Red Dot Award**, **HSBC Tech Excellence**, and **Shanghai Blockchain Innovation Champion** for pioneering solutions in decentralized identity, AI, and CBDC.

Professional Experience

HSBC Lab | Lead Full Stack Engineer *(Dec 2021–Present)*

- Pilot **CBDC (e-HKD)**, **Web3.0 (DID/NFT)**, and **AI/ML** initiatives, aligning with HSBC's global Fin-Tech roadmap. Led deployment of **UI Test Robot** (30% efficiency gain) and **LLM fine-tuning workflows**, earning **Red Dot Award** and **2024 HSBC Tech Reward & Recognition** for decentralized identity solutions.
- Directed vendor governance, and compliance frameworks for cloud / AI projects.

Dalian Commodity Exchange | Lead Architect *(Jul 2020–Dec 2021)*

- Architected blockchain solutions for commodity trading, achieving **CAICT Trusted Blockchain Certification** and enabling warehouse receipt financing for COFCO.
- Optimized IT governance processes, reducing vendor SLA compliance gaps.

Shanghai Insurance Exchange | Technical Lead *(Apr 2017–Jun 2020)*

- Built **SHIE Blockchain** for reinsurance and digital policies, published *Blockchain in Insurance Industry in Modern Bankers*. Led CAICT blockchain ratings (2018, 2021) and won **2018 Shanghai Blockchain Innovation Competition**.

Ant Financial | Blockchain Expert *(Jul 2016–Mar 2017)*

- Designed **Ant Chain's** consensus algorithm for charitable donations, presented at **MIIT Blockchain Conference**.

IBM | Senior Architect/Consultant *(May 2007–Jul 2016)*

- Delivered blockchain POCs for ICBC and Postal Savings Bank, certified **IBM IT Application Consulting Expert**.
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Key Innovations & Leadership

- **Patents:** 13 filed (WO/US/CN), and another 5 is on road of publish, including *AI Vision*, *Consensus mechanism*, and *Decentralized Identity and Verification*.
 - **Awards:** Red Dot Award (DID), HSBC Tech Excellence, Shanghai Financial Reform Research Achiever (2018–19).
 - **Publications:** *Blockchain in Insurance*(Modern Bankers).
 - **Leadership:** Mentored teams to win Red Dot Award and CAICT certifications; speaker at MIIT Blockchain Conference.
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Education & Certifications

- **M.Sc. & B.Sc. in Electrical Engineering**, Dalian Maritime University (2000–2007)
 - **Certifications:** PMP® (2010–2013), IREB CPRE, IBM IT Application Consulting Expert, Secure Code Warrior (Orange Belt).
 - **Honors:** Dalian 2020 Urgent Talent Certification.
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Technical Skills

- **Blockchain:** Hyperledger Fabric, DID/NFT frameworks.
- **AI/ML:** LLM fine-tuning, OpenCV, OCR, AI Agent/Workflow.
- **Cloud:** AWS, Azure, Ali Cloud.
- **Languages:** Python, Java, Solidity, JavaScript.